

Identify the overloaded operator declaration inside the class definition and identify the return and argument type.

```
//Operator overloading

Point operator + (const Point & p) const;
// Return type: Point class object, Parameter: constant Point class object
// by reference
// a+b -> 'a' is the this object, 'b' is the argument (that object)

bool operator < (const Point & p) const;
bool operator > (const Point & p) const;
bool operator == (const Point & p) const;
// Return type: boolean, Parameter: constant Point class object by
// reference

Point operator * (double s) const;
// Return type: Point class object, Parameter: double value
```

What do the two const keywords mean?

Const – in parameter – the function argument cannot be changed by any means inside the function body

Const – type qualifier – the function becomes a constant function and now the function cannot modify the data members of the object of the class.